

(57) Abstract

A method for fitting a tubular roll shell (2) of a roll (1) in a paper or board machine. In the method, the roll shell (2) is supported on a stationary roll shaft (3) by means of hydrostatic slide bearing elements (4a, 4b; 4a', 4b'; 5a, 5b; 5a', 5b'), acting on the roll shell (2) in radially opposite directions, at least in the direction of a plane co-directional with a first plane or a plane parallel to a primary loading (F) and in a plane substantially lateral to a plane co-directional with the primary loading (F). The slide bearing elements (4a, 4b, 4a', 4b', 5a, 5b, 5a', 5b') are loaded hydraulically by means of a pressure fluid. The lateral bearing elements (4a, 4b; 4a', 4b') acting in radially opposite directions have a hydrostatic pressure thereof adjusted by means of a regulator (20) having feedback connection with the main bearing elements (5a, 5b, 5a', 5b') acting in the direction of a plane co-directional with the primary loading (F) to comply at a predetermined ratio with the maximum hydrostatic pressure of the main bearing elements (5a, 5b, 5a', 5b') acting on the roll shell (2). The invention relates further to an apparatus for applying the method.

Fig. 1

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